

**PEN2 Rabbit mAb**  
Catalog # AP76649**Specification**

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**PEN2 Rabbit mAb - Product Information**

Application	WB, IHC, IF
Primary Accession	<a href="#">O9NZ42</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	12029

**PEN2 Rabbit mAb - Additional Information**

Gene ID 55851

**Other Names**

PSENEEN

**Dilution**

WB~~1/500-1/1000

IHC~~1/50-1/100

IF~~1/50-1/200

**Format**

Liquid

**PEN2 Rabbit mAb - Protein Information**

Name PSENEEN

Synonyms PEN2

**Function**

Essential subunit of the gamma-secretase complex, an endoprotease complex that catalyzes the intramembrane cleavage of integral membrane proteins such as Notch receptors and APP (amyloid- beta precursor protein) (PubMed: [12522139](http://www.uniprot.org/citations/12522139), PubMed: [12679784](http://www.uniprot.org/citations/12679784), PubMed: [12740439](http://www.uniprot.org/citations/12740439), PubMed: [12763021](http://www.uniprot.org/citations/12763021), PubMed: [24941111](http://www.uniprot.org/citations/24941111), PubMed: [30598546](http://www.uniprot.org/citations/30598546), PubMed: [30630874](http://www.uniprot.org/citations/30630874)). The gamma-secretase complex plays a role in Notch and Wnt signaling cascades and regulation of downstream processes via its role in processing key regulatory proteins, and by regulating cytosolic CTNNB1 levels (Probable). PSENEEN modulates both endoproteolysis of presenilin and gamma-secretase activity (PubMed: [12522139](http://www.uniprot.org/citations/12522139), PubMed: [12522139](http://www.uniprot.org/citations/12522139)).

[12679784](http://www.uniprot.org/citations/12679784), PubMed:<[12740439](http://www.uniprot.org/citations/12740439)>, PubMed:<[12763021](http://www.uniprot.org/citations/12763021)>, PubMed:<[24941111](http://www.uniprot.org/citations/24941111)>).

### Cellular Location

Endoplasmic reticulum membrane; Multi-pass membrane protein. Golgi apparatus, Golgi stack membrane; Multi-pass membrane protein. Cell membrane; Multi-pass membrane protein. Membrane; Multi-pass membrane protein Note=Predominantly located in the endoplasmic reticulum and in the cis- Golgi.

### Tissue Location

Widely expressed. Expressed in leukocytes, lung, placenta, small intestine, liver, kidney, spleen thymus, skeletal muscle, heart and brain.

### PEN2 Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### PEN2 Rabbit mAb - Images



